

SUMMARY OF THE INVENTION

A recipe management system that can display and navigate among such relationships between different types of information would be of great value to manufacturing companies. If such a recipe management system were further
5 integrated into Enterprise Resource Planning (ERP) systems, such software would be highly advantageous.

Accordingly, it would be advantageous to provide a computer-controlled graphical user interface facilitating navigation, viewing and maintenance of recipes. A
10 further need exists for a computer implemented enterprise resource planning system which combines routing, procedures and materials information, and automatically links this information together to window a recipe. A still further need exists for a method of determining the material requirements of a recipe based upon a common unit of measure for step quantity and charges.

15 A computer implemented enterprise resource planning system comprising a recipe database contained within computer readable media and a graphical user interface for navigation, viewing and maintenance of recipes is disclosed.

The database links all elements of a recipe. A recipe navigator view displays recipe
20 lists and other recipe information in a tree structure. A recipe summary view displays information on a recipe element indicated in the recipe navigator tree view. A recipe detail view is operable to edit components of a recipe element indicated in the recipe navigator tree view. Namely, the recipe detail view allows the editing of routings and formulas associated with a selected recipe.

Another embodiment of the present invention may include displaying a hierarchical tree format comprising project names, organization names, recipe names, formula names and routing names.

- 5 In one embodiment of the present invention, a routing editor window may be displayed.

In another embodiment of the present invention, a routing editor window may have a button that, when activated, displays a formula window corresponding to a
10 selected item in a navigator tree view.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 illustrates display screen components or “windows” of a graphical user interface for recipe navigation, according to an embodiment of the present invention.

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Figure 2 illustrates a recipe navigator tree window, according to an embodiment of the present invention.

Figure 3 depicts a recipe summary view window of a selected recipe, according to an embodiment of the present invention.

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Figure 4 shows a flow diagram of a recipe creation process, according to embodiments of the present invention.

Figure 5 depicts a recipe creation window, according to an embodiment of the present invention.

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Figure 6 depicts a recipe maintenance window, according to an embodiment of the present invention, for routing editing of the selected recipe.

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Figure 7 depicts a recipe maintenance throughput window, according to an embodiment of the present invention, for routing throughput information.

Figure 8 depicts a material and recipe operation window, according to an embodiment of the present invention, for formula information of the selected recipe.

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